

Amendments to the Claims:

1. (Original) A scanning device comprising:
a functional surface portion;
support structure pivotally supporting said functional surface portion along a first axis by a pair of torsional hinges having a resonant frequency such that said pivoting of said functional surface portion about said pair of torsional hinges pivots about said first axis;
at least one first magnet located along said first axis;
a first magnetic driver located below and cooperating with said at least one first magnet for causing oscillation about said pair of torsional hinges at a selected frequency.
2. (Original)The scanning device of claim 1 wherein said at least one first magnet has a diametral charge perpendicular to the axis of rotation and substantially parallel to said reflecting surface and wherein said first magnetic driver is at least one coil located proximate said one first magnet.
3. (Original)The scanning device of claim 2 wherein said at least one first magnet comprises two first magnets, one each located adjacent one each of said first pair of torsional hinges.
4. (Original)The scanning device of claim 1 wherein said at least one first magnet has an axial charge and wherein said magnetic driver is an electromagnet having legs extending to each side of its corresponding magnet.
5. (Original)The scanning device of claim 1 wherein said at least one first magnet is mounted at the center of said functional surface.
6. (Original)The scanning device of claim 1 wherein said support structure comprises a gimbals portion connected to said functional surface along said first axis by said pair of torsional hinges and a support member pivotally supporting said gimbal portion by a second pair of torsional hinges along an axis substantially orthogonal to

said first axis, such that said pivoting of said device about said second pair of torsional hinges results in movement substantially orthogonal to said first direction;

at least two second magnets mounted along said second axis and one each located adjacent each one of said second pair of torsional hinges; and

a second magnetic driver cooperating with said at least two second magnets for pivoting said device about said second pair of torsional hinges to provide said orthogonal movement.

7. (Original) The scanning device of claim 1 wherein said functional surface is a light grating positioned to intercept a beam of light.

8. (Original) The scanning device of claim 1 wherein said functional surface is a reflective surface or mirror positioned to intercept a beam of light.

9. (Original) The scanning device of claim 6 wherein said functional surface is a reflective surface or mirror positioned to intercept a beam of light.

10. (Currently Amended) The scanning device of claim 8 used as [the] a drive engine of a printer.

11. (Currently Amended) The scanning device of claim 9 used as [the] a drive engine of a printer.

12. (Currently Amended) The scanning device of claim 9 used as [the] a drive engine of a visual display device.

13. (Original) The scanning device of claim 1 wherein said functional surface oscillates at its resonant frequency.

14. (Original) The scanning device of claim 9 wherein said functional surface oscillates at its resonant frequency.

15 – 30. (Withdrawn)